AWIPS SOFTWARE INSTALLATION INSTRUCTION NOTE 41
(for Electronic Systems Analysts)
Maintenance, Logistics, & Acquisition Division
W/OPS1: JCS

SUBJECT : Maintenance Release OB1.3

PURPOSE : To provide installation instructions for Maintenance Release (MR) OB1.3

PATCH NUMBER : MROB13_SEC_A100385

AUTHORIZATION : The authority for this modification note is Request for Change AB505.

AFFECTED SITES : All AWIPS sites must install this maintenance release.

VERIFICATION
STATEMENT : The MR OB1.3 installation procedures were tested and verified at Silver Spring, MD (NMTW), and WFOs Bismarck, ND (BIS), Atlanta, GA (FFC), Wilmington, NC (ILM), and Philadelphia, PA (PHI).

PREINSTALLATION: MR OB1.2 must be installed.
REQUIREMENTS

EFFECT ON OTHER: File this note in EHB-13, Series II, section 3.1. Discard all previous
INSTRUCTIONS software installation instructions, prior to Build OB1 (AWIPS Software Installation Instruction Note 37) in section 3.1.

TIME REQUIRED : Approximately 15 minutes for the maintenance release.

SECURITY LEVEL : root

TECHNICAL
SUPPORT : For questions or problems regarding these installation instructions or installing this Release, please contact the NCF at 301-713-9344.

A.   MR OB1.3 Patch Summary

1.   WarnGen process will 'hang' on workstation (DR# 12759 - FSL_A100376)

2.   IGC notifications stop updating for periods of time (DR# 12760 - FSL_A100377)

B.   MR OB1.3 Detailed Problem Description

1.   WarnGen process will 'hang' on workstation (DR# 12759 - FSL_A100376)

When a user toggles counties on/off with the third mouse button, WarnGen process tries to recreate a working polygon to place into the text based on the actual area warned. If the area warned is extremely small, then the current OB1 algorithm creates a polygon with zero vertices, causing memory problems and resulting in a hang. At GSP, the hang associated with excessive CPU time on workstation 2 (WS2) forced forecasters to move to WS3 and WS5 but the problem persisted.

2.   IGC notifications stop updating for periods of time (DR# 12760 - FSL_A100377)

Radar display can sometimes fail to auto-update: The forecaster can inadvertently put the radar display into a mode where it will fail to auto-update leaving the forecaster with no option but to clear and reload the display. In severe weather situations this can become unacceptable. This is the completion of a fix for a critical problem partially fixed with OB1.2
(DR# 12538 - FSL_A100350).

C.   Pre-Installation Procedure

1.   MR OB1.2 must be installed.
2.   Check http://www.ops1.nws.noaa.gov/awips_softwre.htm web page for a lessons learned document for this release.
3.   Logout of all the D2D sessions on BOTH HP workstations and Linux platforms.
4.   Logout of all the Text Workstations.

This completes the pre-installation procedure.

D.   Maintenance Release Download and DS1 Installation Procedure

> **NOTE:**   NGIT has pushed all install related files to the `/data/local/ROB1.3` directory.

1.   At a HP workstation, open a telnet window and log into ds1 as **root** by typing:

   `rlogin ds1-<site> -l root`

2.   Change to the /data/local/ROB1.3 directory by typing:

   `cd /data/local/ROB1.3`

3.   Create a script output log file by typing:

   `script -a ROB1.3.out`

4.   Uncompress the release bundle by typing:

   `zcat ROB1.3.tar.Z | tar xvf -`

5.   Run installation script by typing:

   `./installROB1.3`

6.   Stop the output script by typing:

   `./stopscript`

This completes the maintenance release download and DS1 installation procedure.

E.   Post Installation Configuration Checkout Procedure

1.   Check the `.out` file for any files that may not have been removed or copied correctly. Check for `cannot write: Text file busy.`

   `grep busy ROB1.3.out`

   If any files were not removed correctly, delete them manually.

2.   Users can login D2Ds and the workstations at this time.

This completes the post installation configuration checkout procedure.

REPORTING MODIFICATION

Report the completed software installation using the Engineering Management Reporting System (EMRS) according to the instructions in the NWS Instruction 30-2104, Maintenance Documentation, Part 4, and Appendix F. A sample EMRS report is attached. As an additional guide, use the information in the table below.

Block #	Block Type	Information
5	Description	Install AWIPS Maintenance Release OB1.3 (patch # MROB13_SEC_A100385) I.A.W. AWIPS Software Installation Instruction Note 41
7	Equipment Code	AWIPS
8	Serial Number	001
15	Comments	Installed Maintenance Release OB1.3 (patch # MROB13_SEC_A100385) I.A.W. AWIPS Software Installation Instruction Note 41
17A	Mod. No.	S41

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Attachment A - Sample EMRS Report

Attachment A - Sample EMRS Report

A26 Detail Form - ESCM2, SILVER SPRING, MD :: EMRS ANALYST - Microsoft Internet Explorer

New A26   Commit A26   Place on Hold   Copy A26   Delete A26   Detail Report   Preference   Document Summary   Help

GENERAL INFORMATION

NEW RECORD   WFO* PHI   Document No.* PHI30617000

1. Open Date	Open Time	2. Op Initials	3. Response Priority	4. Close Date	Close Time
06/17/2003	08:00	WSH	○ Immediate ○ Low ○ Routine ● Not Applicable	06/17/2003	08:30

5. Maintenance Description   **438**   characters left   AWIPS

Install Maintenance Release OB1.3 (patch # MROB13_SEC_A100385)

EQUIPMENT INFORMATION

6. Station ID*	7. Equipment Code	8. Serial Number	9. TM	10. AT	11. How Mal
PHI	AWIPS	001	M	M	999

Alert: Time Remaining:
(For Block 12 use only)

13. PARTS USAGE and CONFIGURATION MANAGEMENT REPORTING

ASN	Vendor Part No. (New Part)	Serial Number (Old Part)	Serial Number (New Part)	New Row
				Delete Row

14. WORKLOAD INFORMATION

a. Routine		b. Non-Routine		c. Travel		d. Misc		e. Overtime	
Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes
							30		

MISCELLANEOUS INFORMATION

15. Maintenance Comments   **659**   characters left

Installed Maintenance Release OB1.3, I.A.W. AWIPS Software Installation Instruction Note 41

16. Tech Initials
JB

17. SPECIAL PURPOSE REPORTING INFORMATION

a. Mod No.	b. Mod Act/Deact Date	c. Block C	d. Trouble Ticket No.	e. Block E
S41	06/17/2003			

Commit A26   Place on Hold   Copy A26   New A26   Cancel

Done   Internet